

FIG. 1

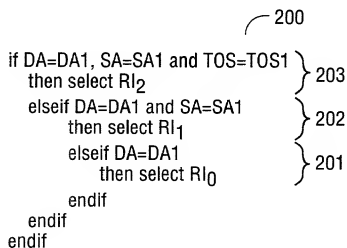


FIG. 2

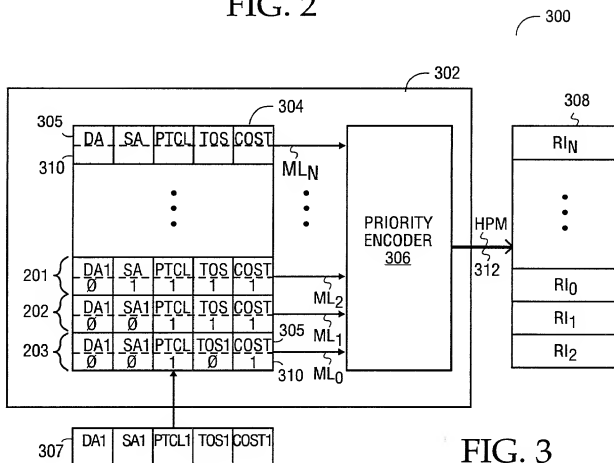


FIG. 3

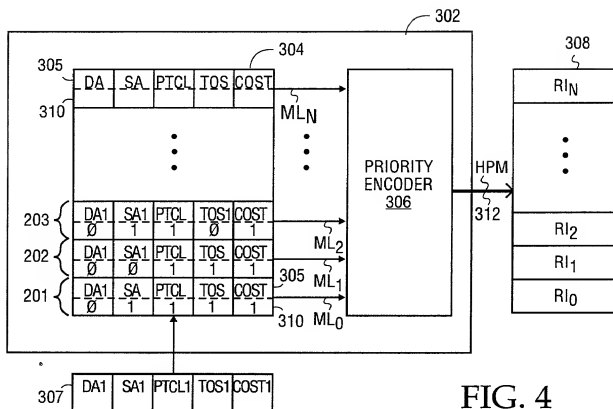


FIG. 4

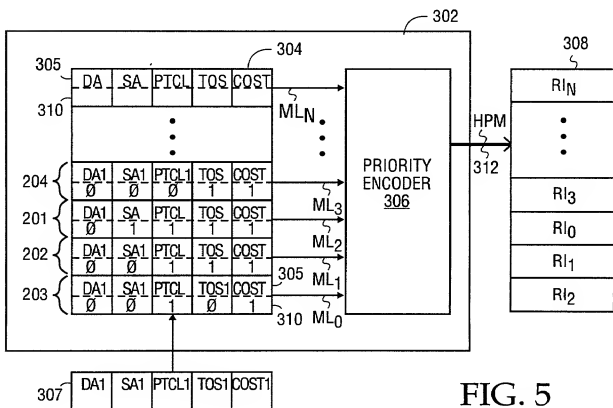


FIG. 5



FIG. 6

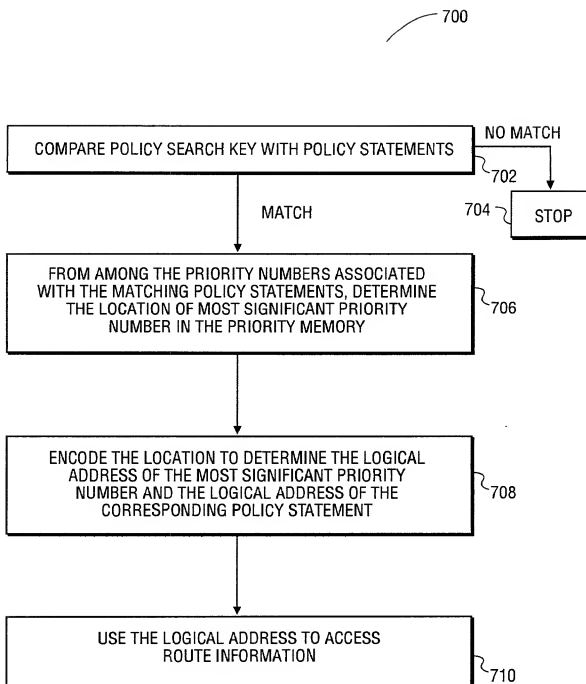
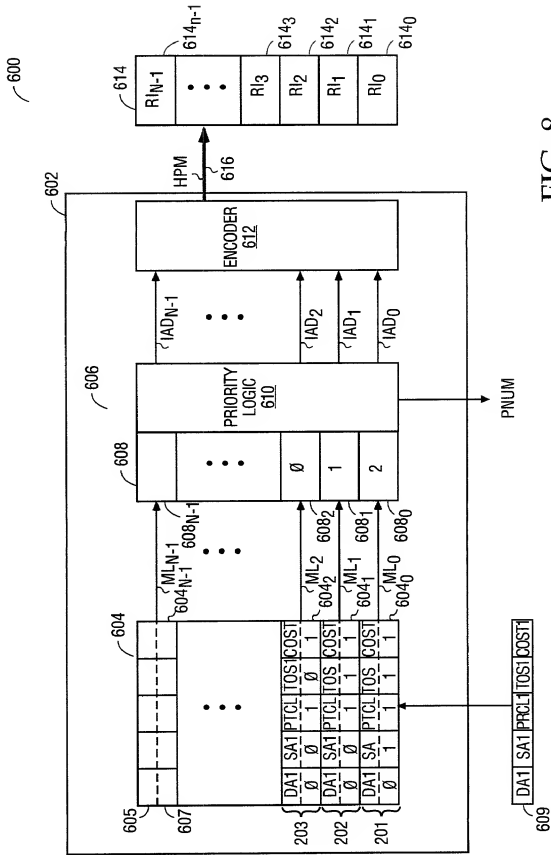


FIG. 7



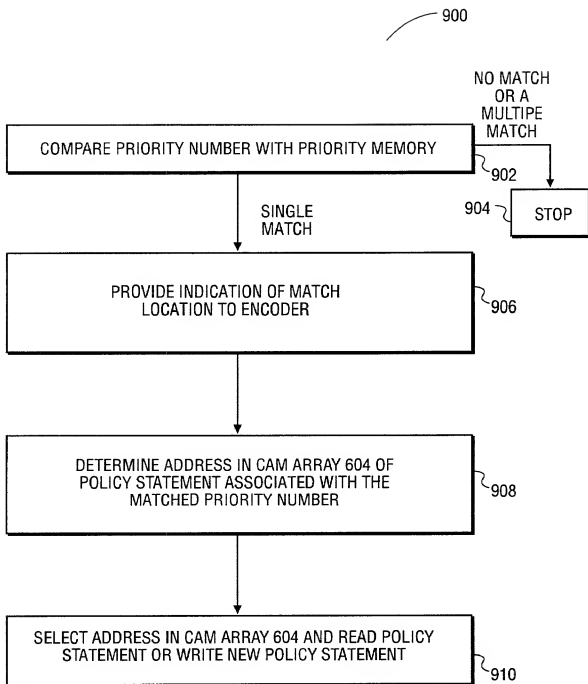


FIG. 9

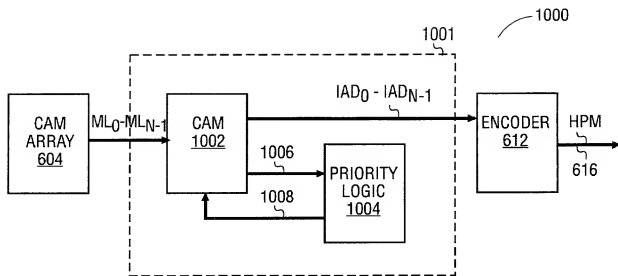


FIG. 10

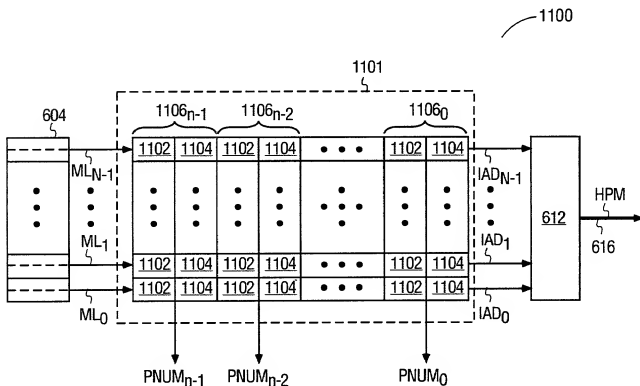


FIG. 11

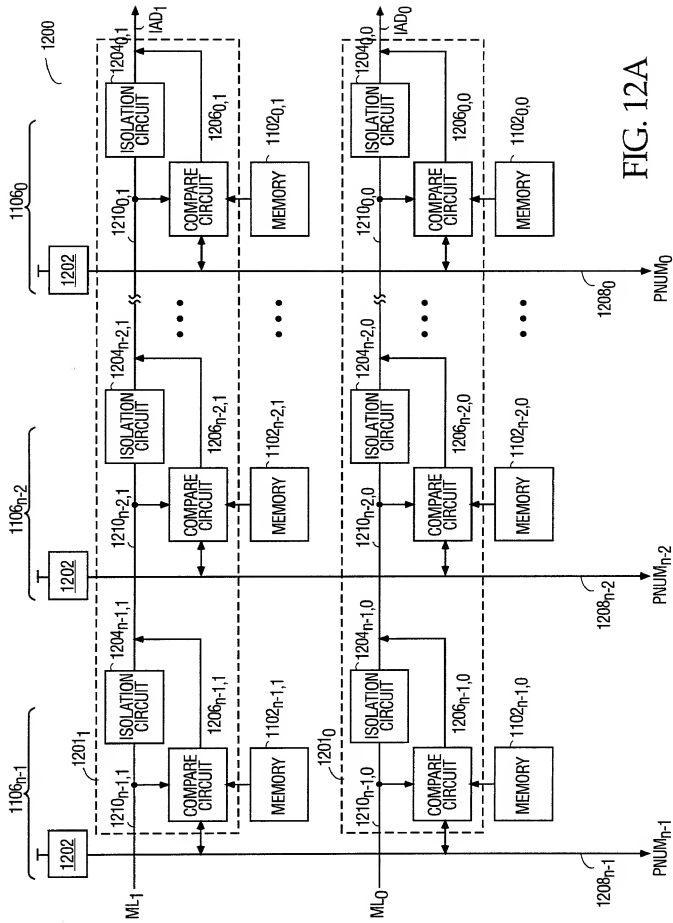


FIG. 12A



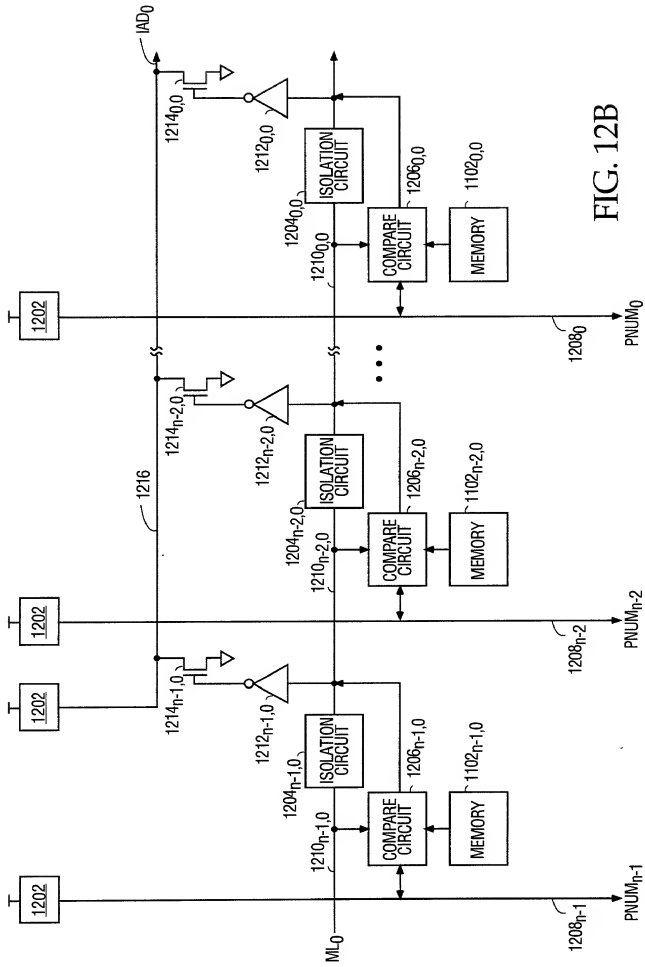


FIG. 12B

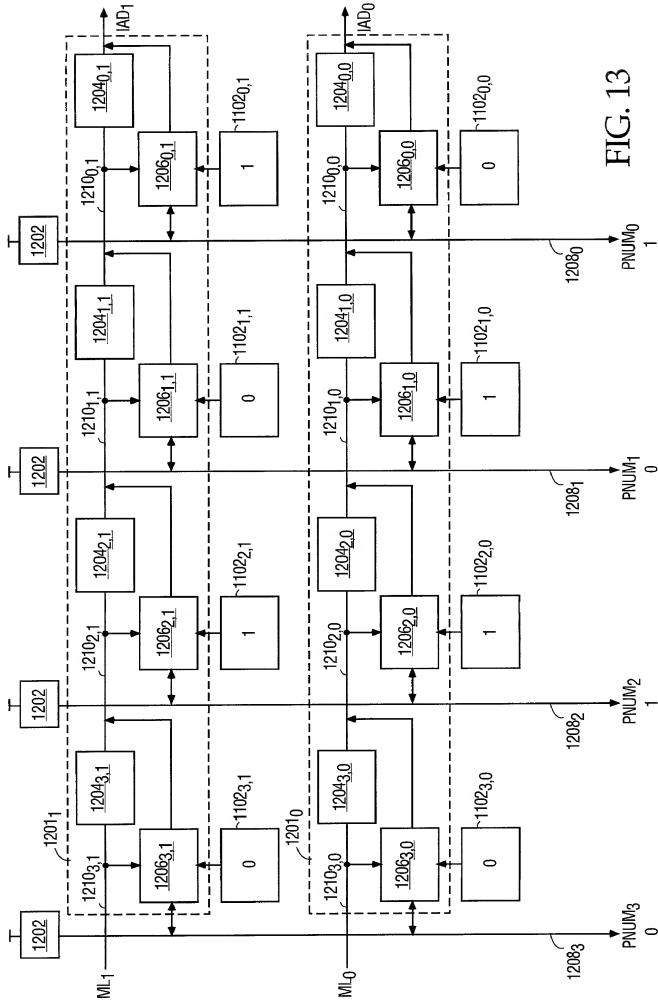
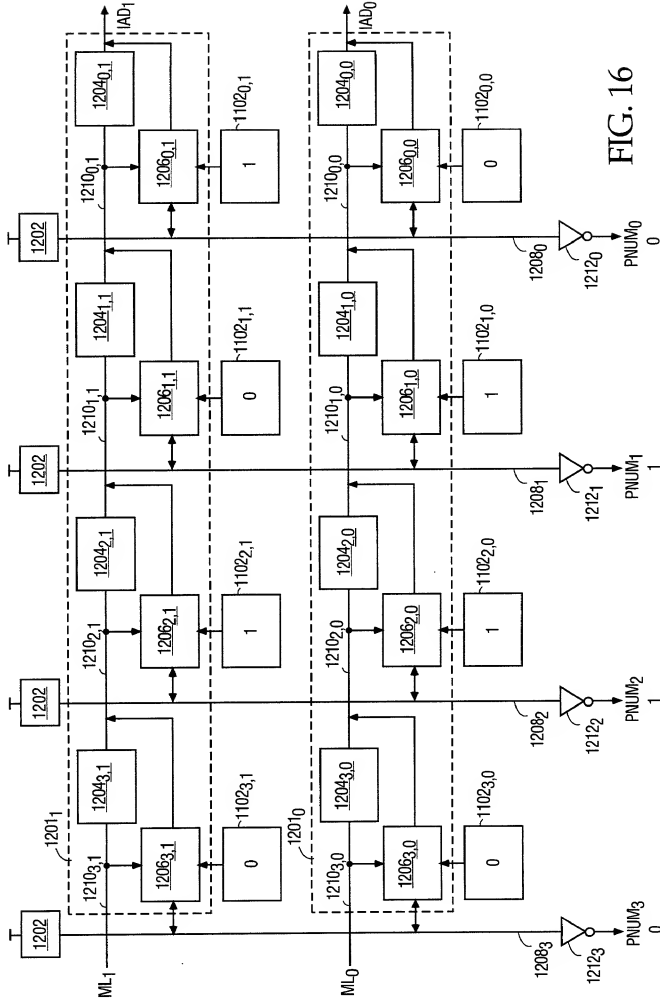


FIG. 15



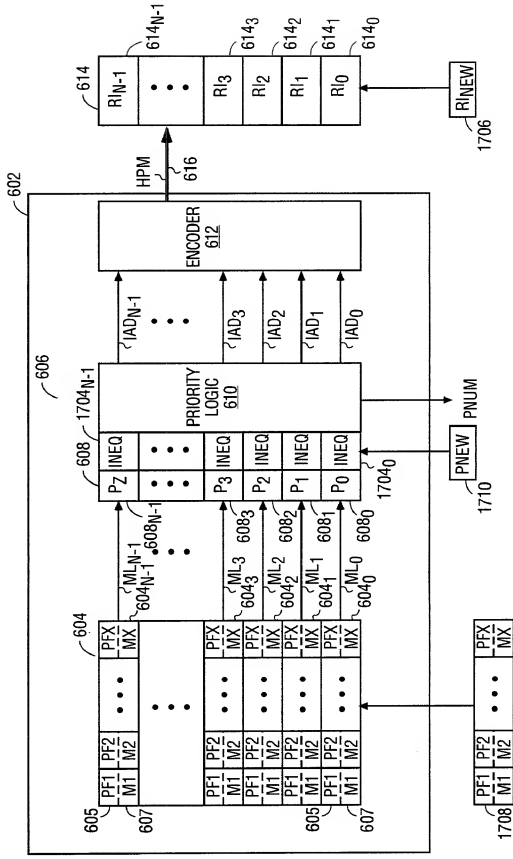
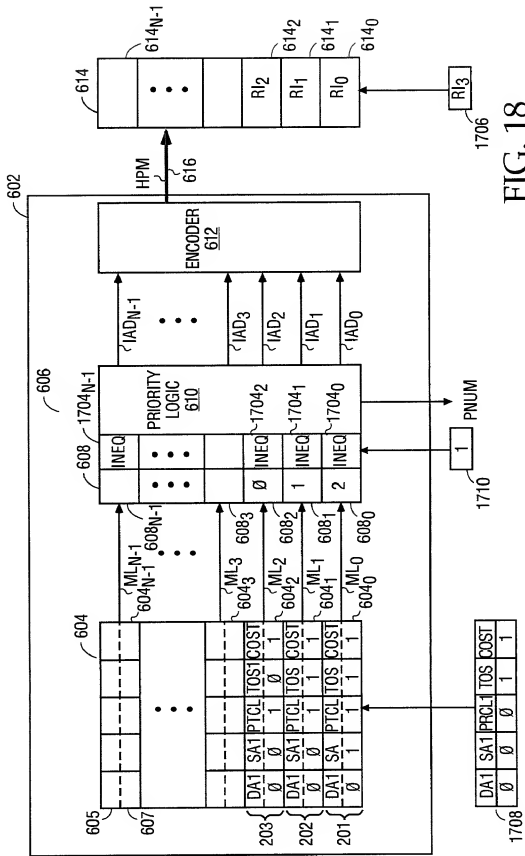


FIG. 17



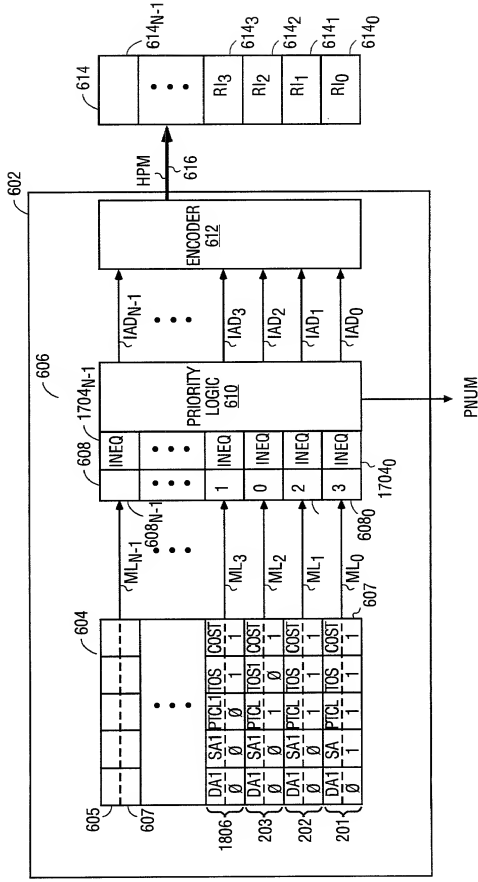
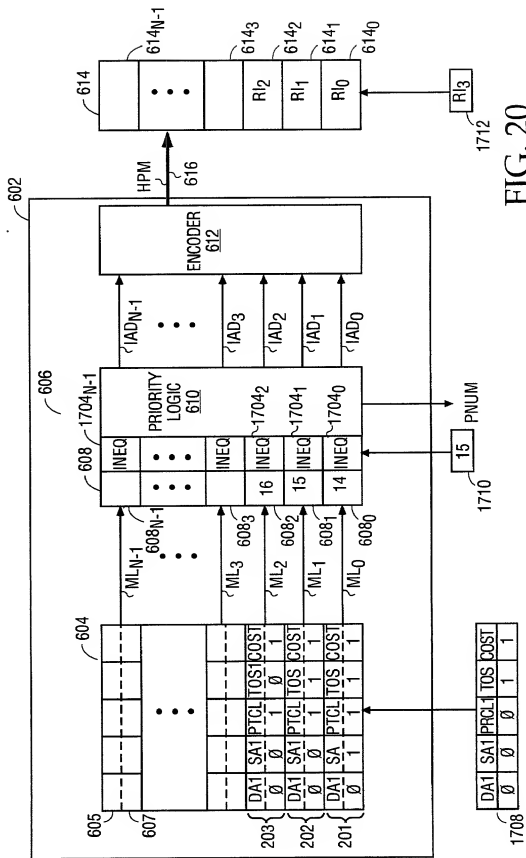


FIG. 19





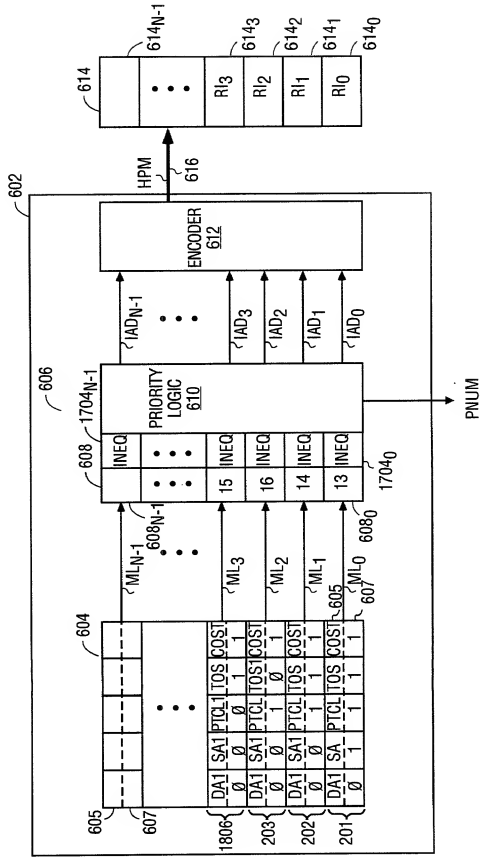


FIG. 21

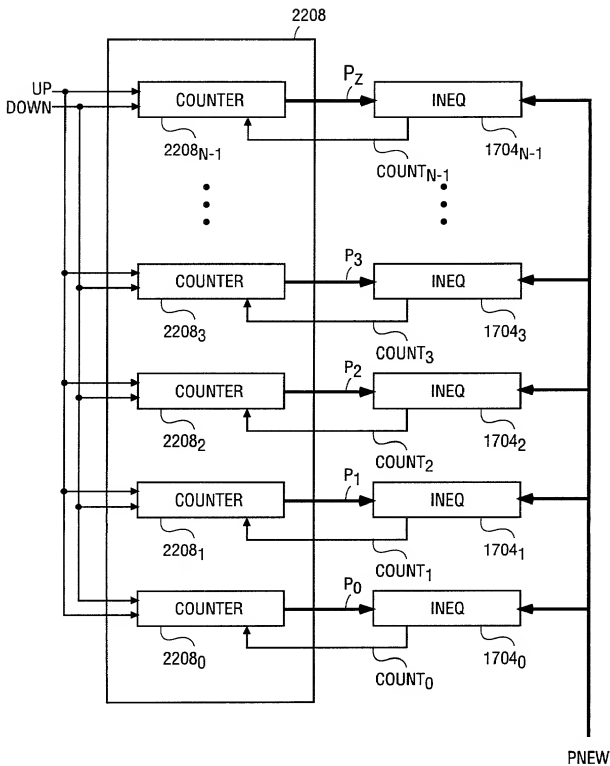


FIG. 22

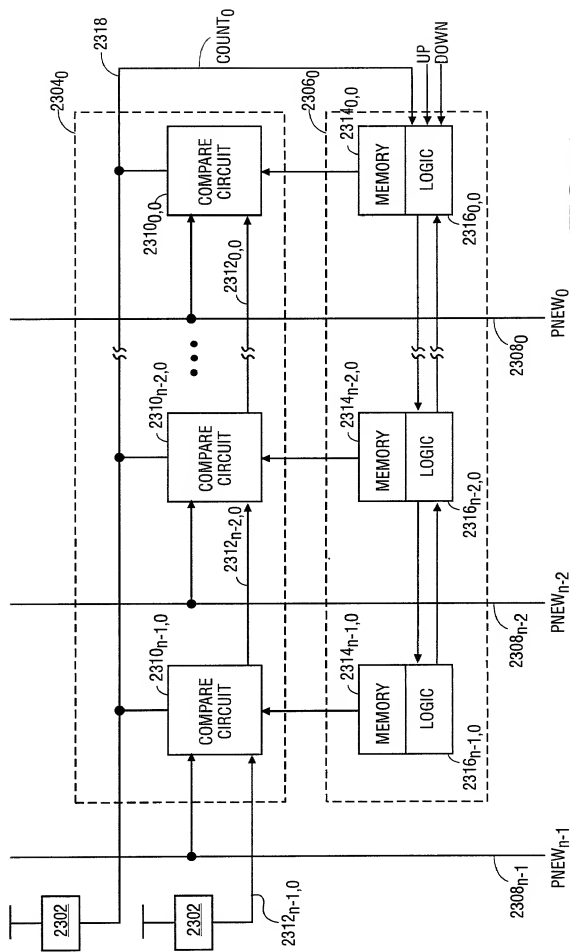


FIG. 23

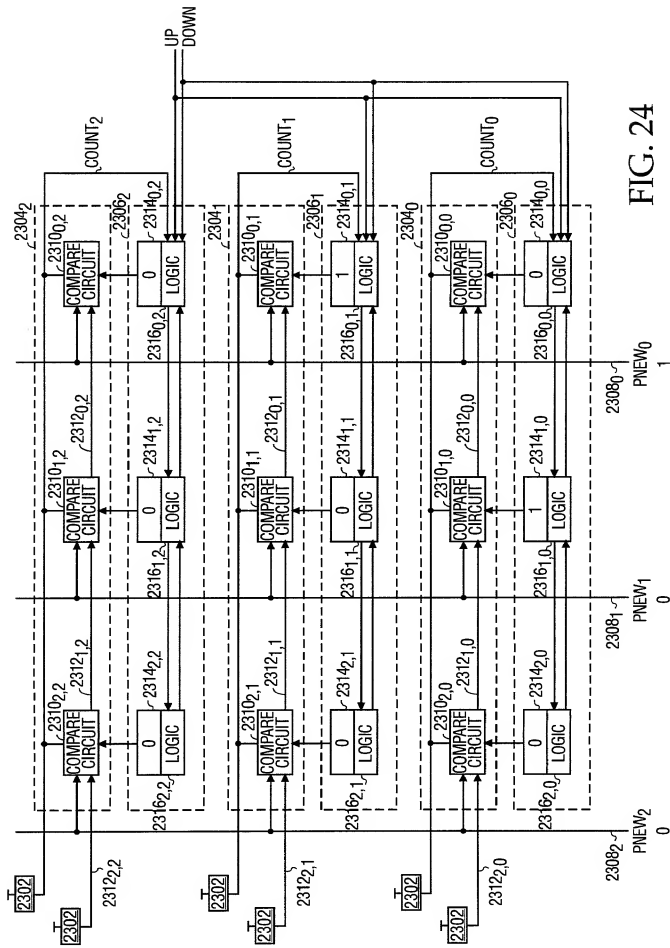


FIG. 24

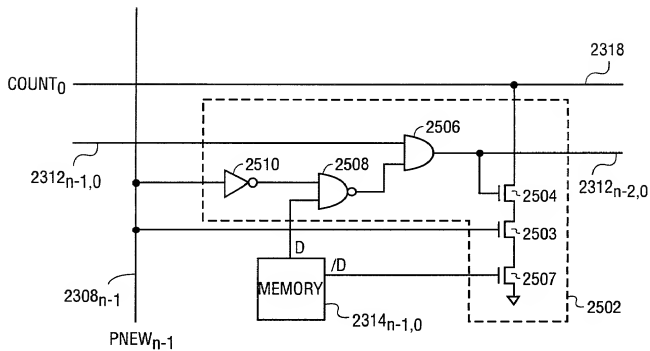


FIG. 25A

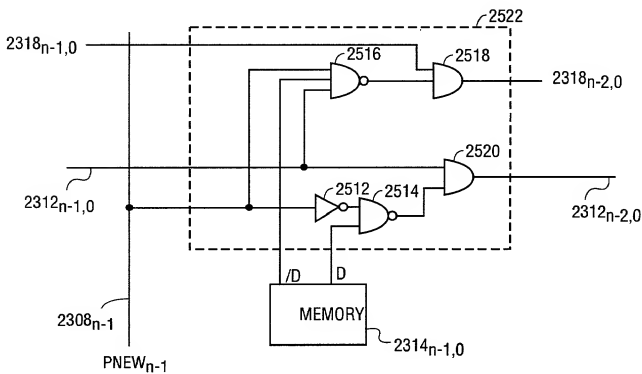


FIG. 25B

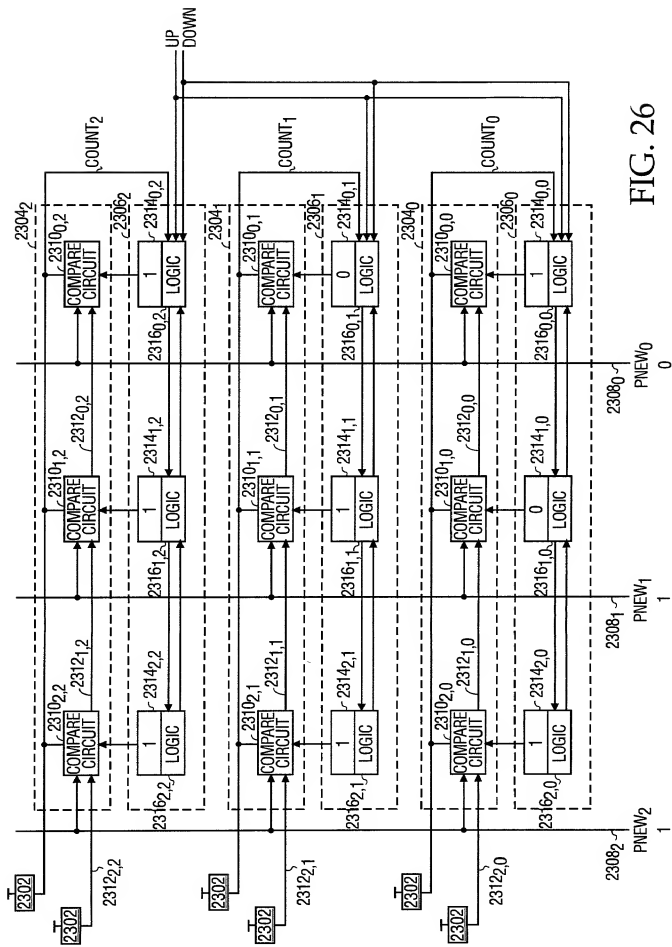


FIG. 26

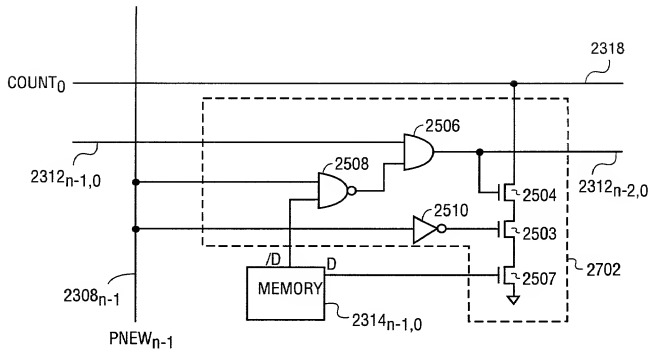


FIG. 27A

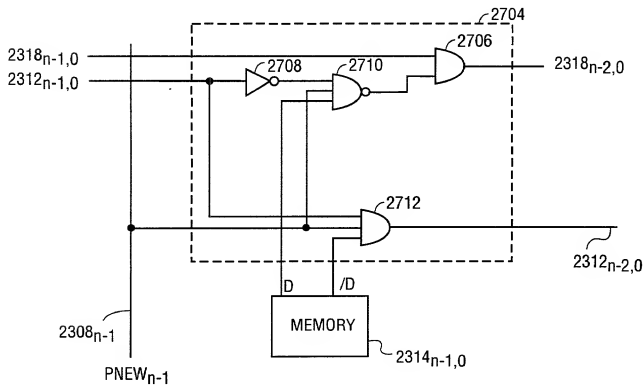


FIG. 27B

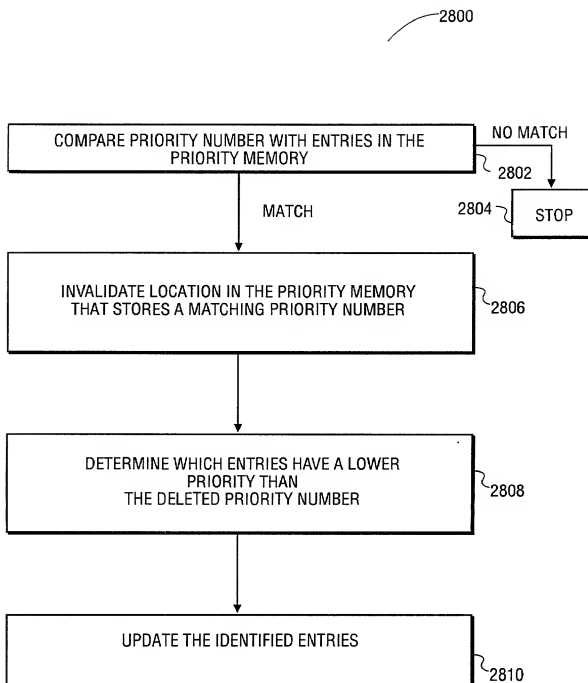


FIG. 28



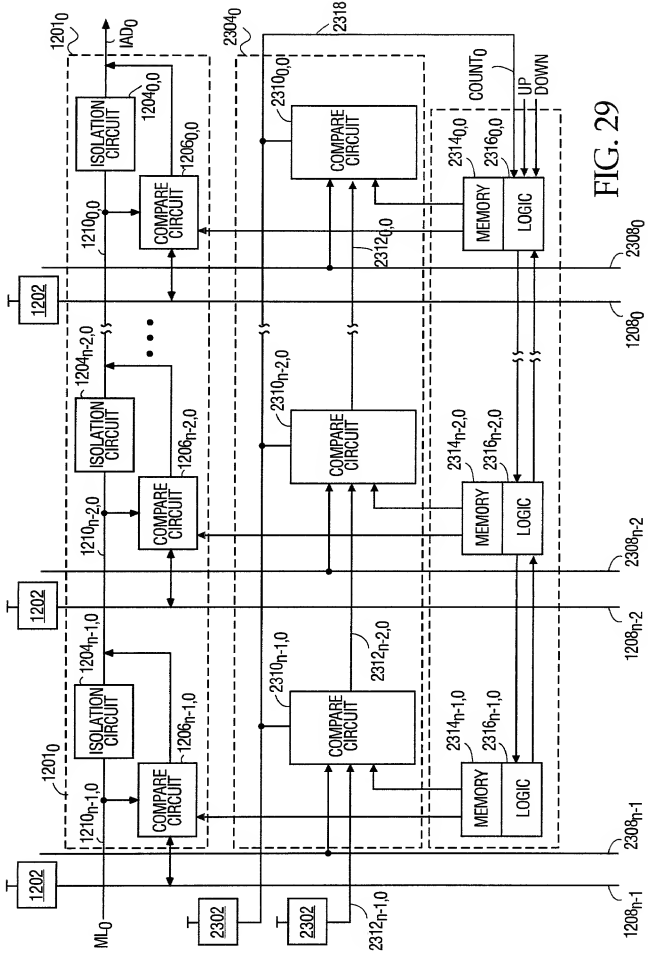


FIG. 29

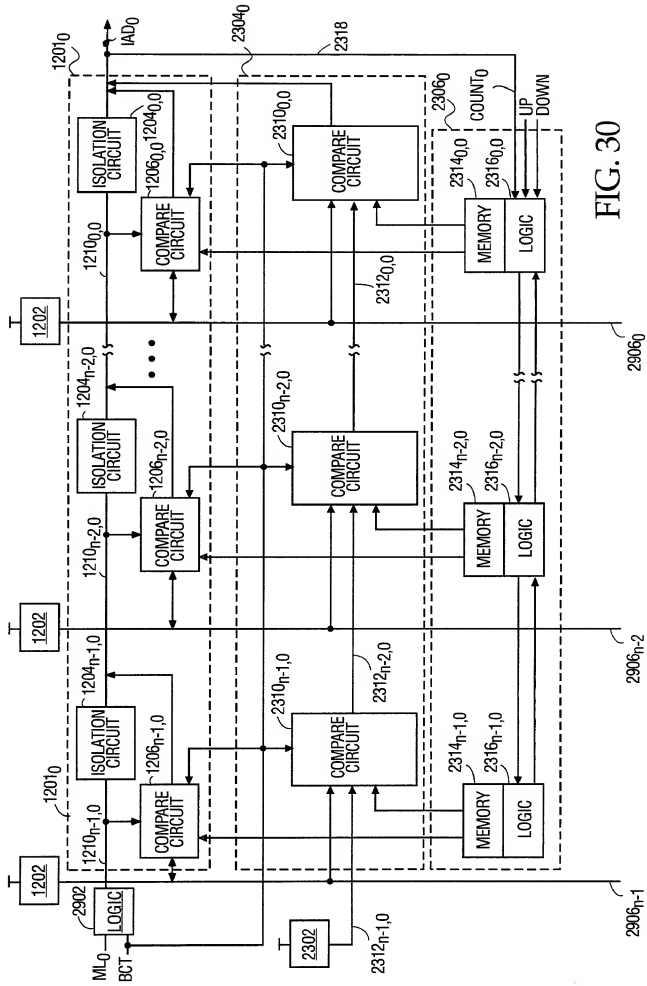
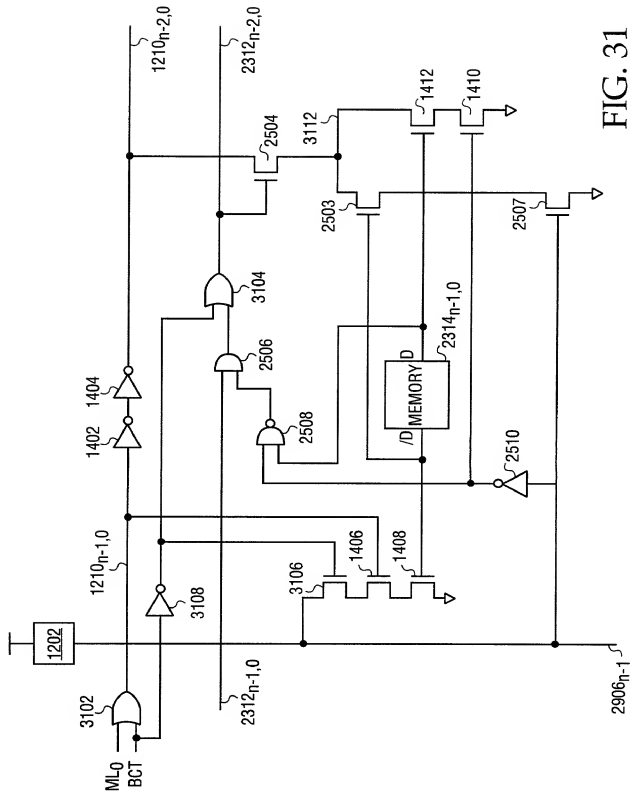


FIG. 30



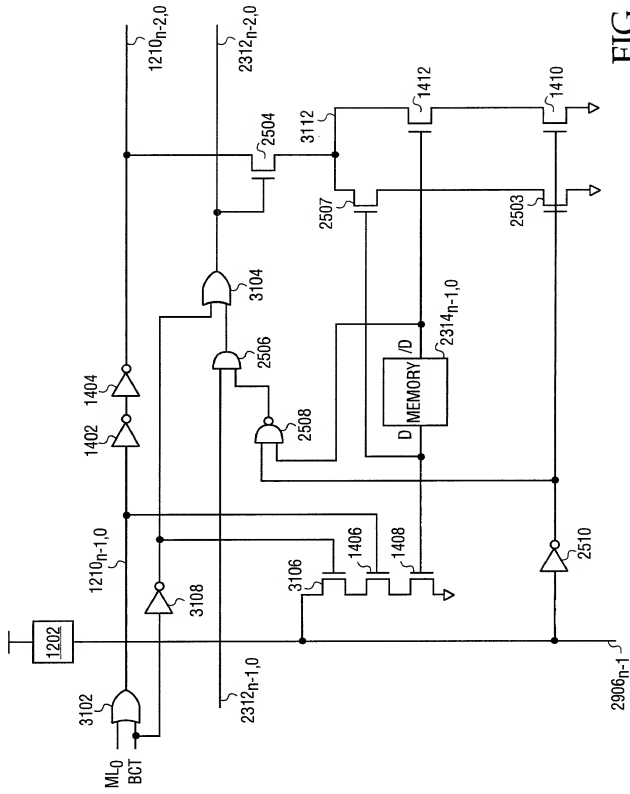
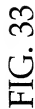
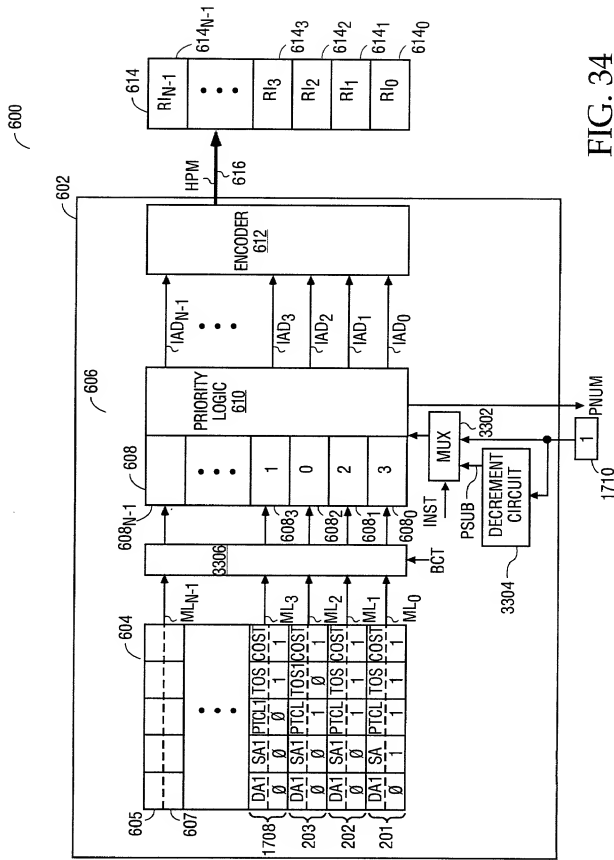


FIG. 32





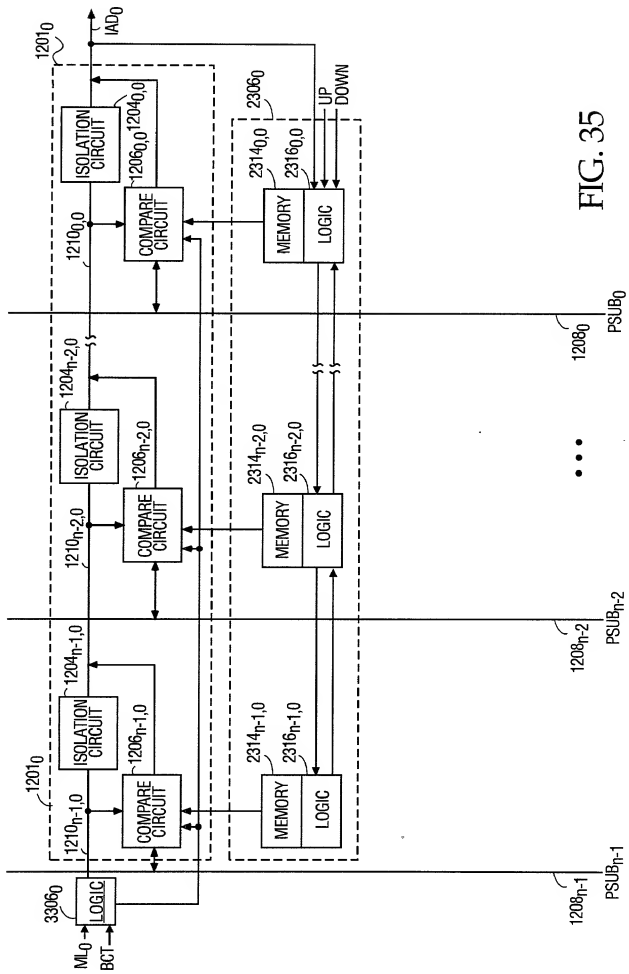


FIG. 35

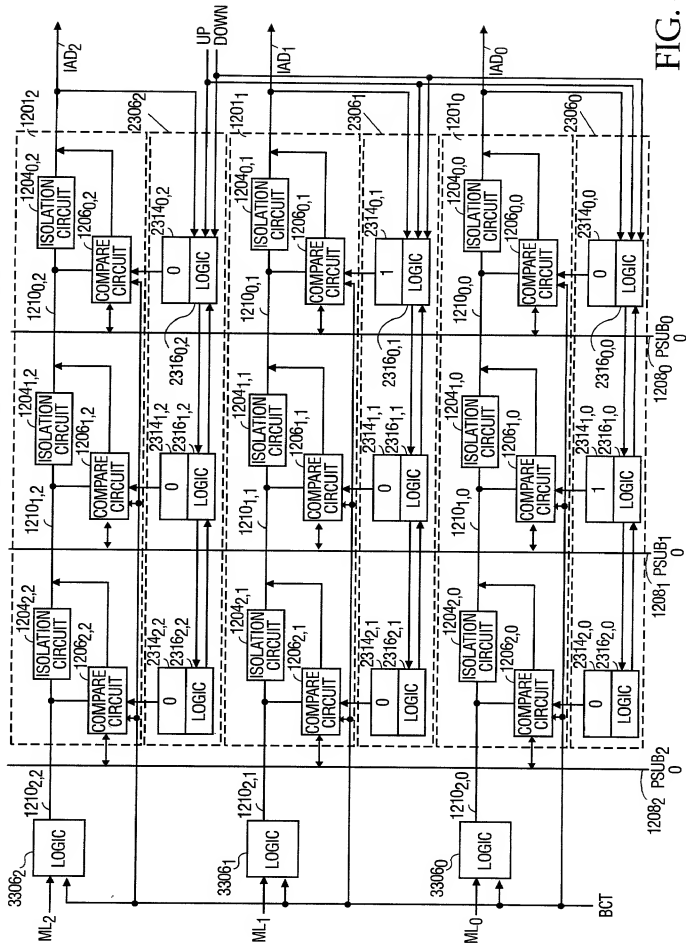


FIG. 36



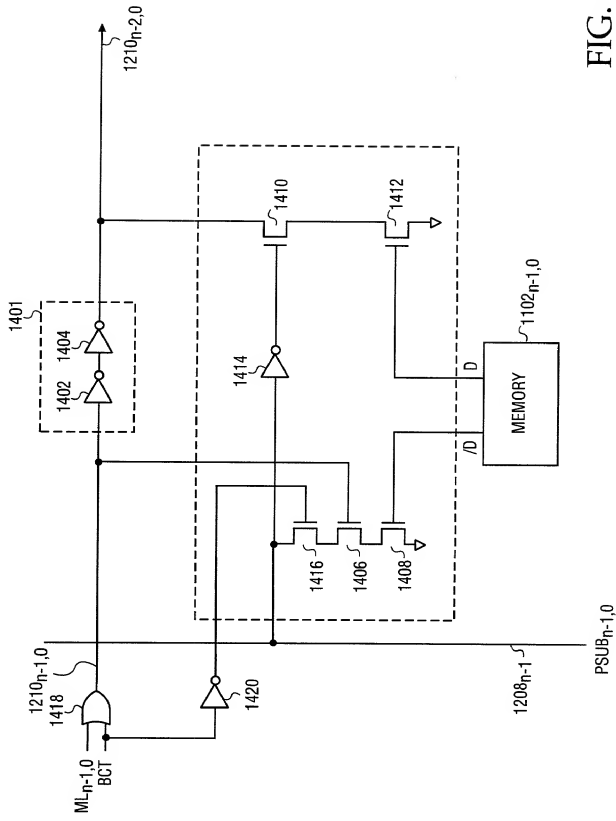


FIG. 37

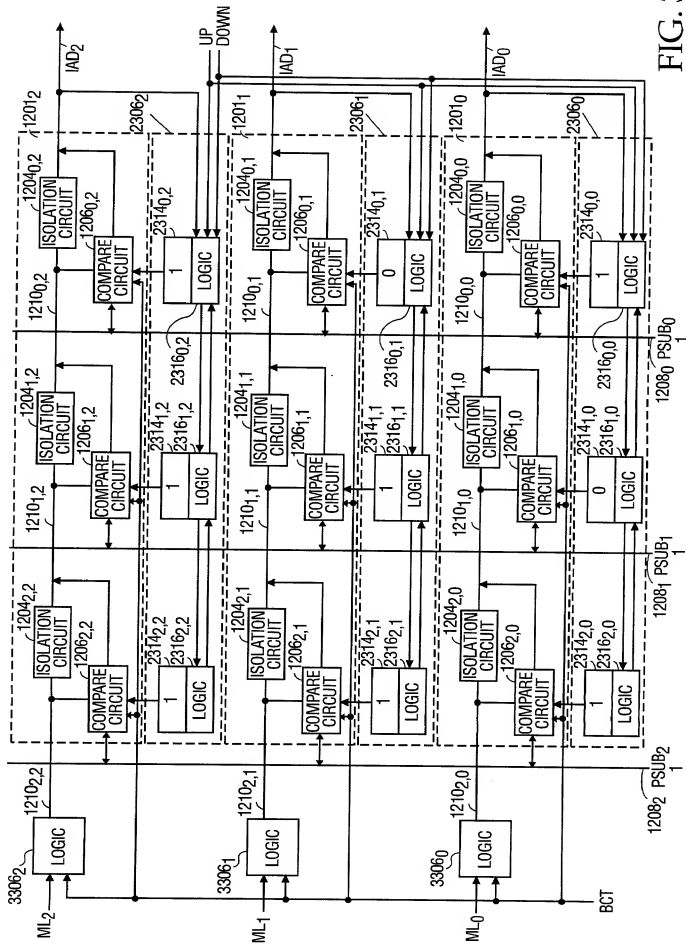


FIG. 38

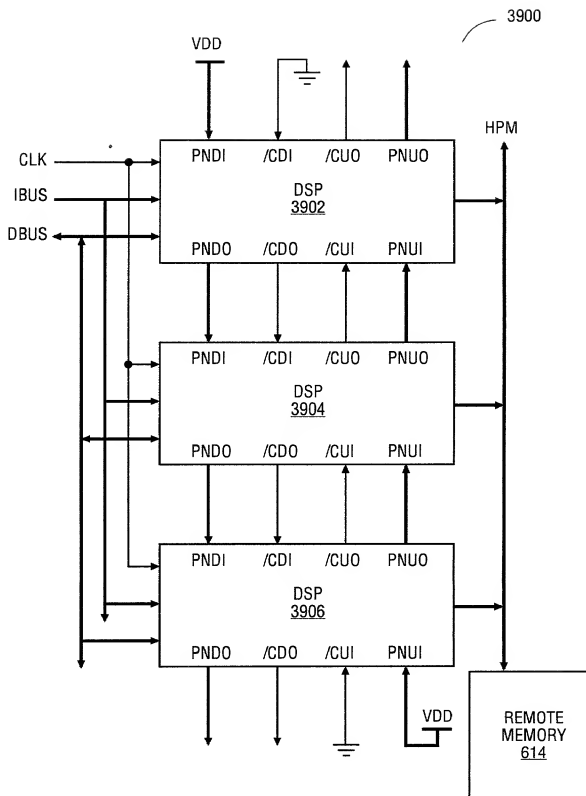


FIG. 39

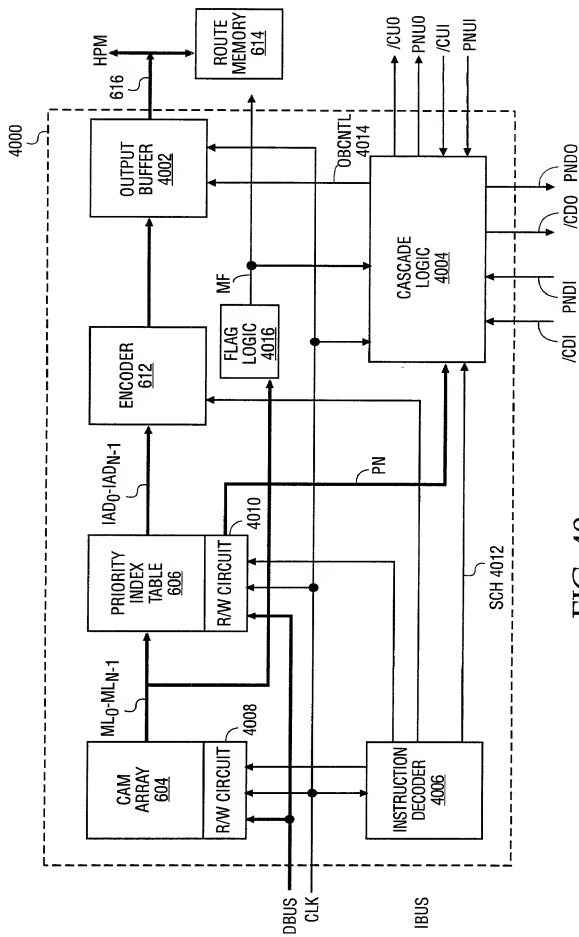


FIG. 40

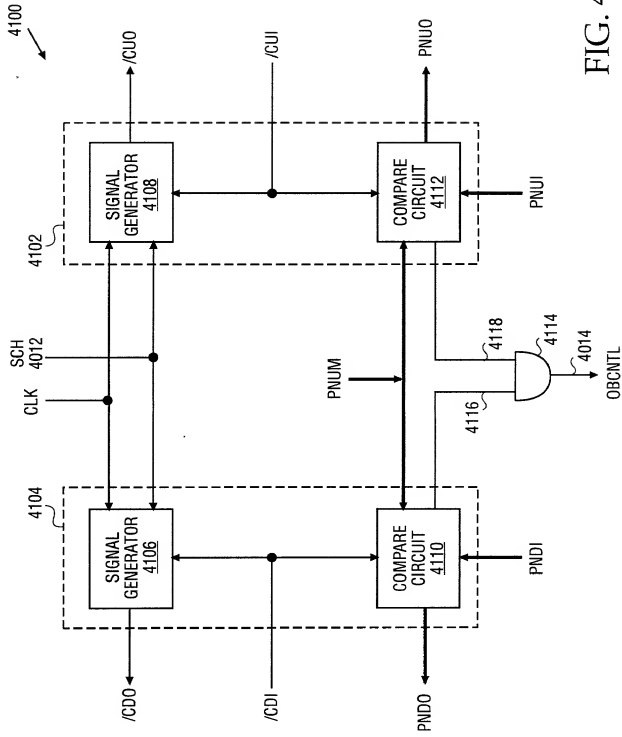


FIG. 41

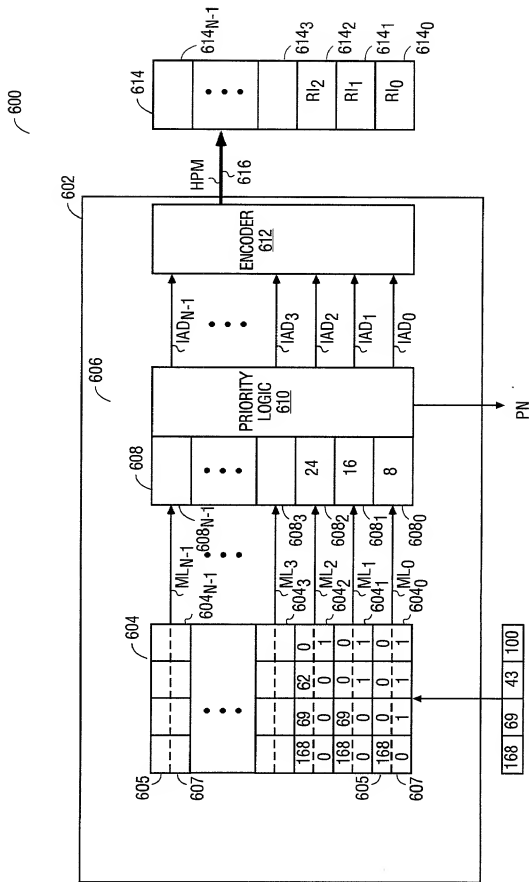


FIG. 42

**FIG. 43**





DETERMINE BPNS FROM A FIRST  
PLURALITY OF BITS FROM A GROUP  
OF PRIORITY NUMBERS 4501

DETERMINE MSBPN FOR  
THE FIRST COLUMN 4502

OUTPUT ENABLE SIGNALS  
INDICATING ORIGIN OF MSBPN  
FOR THE FIRST COLUMN 4503

MSBPN  
FOR FIRST COLUMN  
FROM FIRST ROW?  
4504

NO

DE-ASSERT ASSERTED MATCH LINE  
SEGMENTS FROM FIRST PRIORITY  
BLOCK IN THE FIRST ROW 4505

YES

MSBPN  
FOR FIRST COLUMN  
FROM SECOND ROW?  
4506

NO

DE-ASSERT ASSERTED MATCH LINE  
SEGMENTS FROM FIRST PRIORITY  
BLOCK IN THE SECOND ROW 4507

YES

DETERMINE BPNS FROM SECOND  
PLURALITY OF BITS FROM GROUP  
OF PRIORITY NUMBERS 4508

DETERMINE MSBPNS FOR A  
SECOND COLUMN 4509

OUTPUT ENABLE SIGNALS  
INDICATING ORIGIN OF MSBPN  
FOR SECOND COLUMN 4510

MSBPN  
FOR SECOND COLUMN  
FROM FIRST ROW?  
4511

NO

DE-ASSERT ASSERTED MATCH LINE  
SEGMENTS FROM SECOND PRIORI-  
TY BLOCK IN FIRST ROW 4512

YES

MSBPN FOR  
SECOND COLUMN  
FROM SECOND ROW?  
4513

NO

DE-ASSERT ASSERTED MATCH LINE  
SEGMENTS FROM SECOND PRIORI-  
TY BLOCK IN SECOND ROW 4514

FIG. 45

Cycle X	Cycle X+1	Cycle X+2	Cycle X+3	Cycle X+4	Cycle X+5
Calculate BPNs for Priority Blocks in First Column	Calculate MSBPN for First Column  De-assert Match Line Segments From Priority Blocks in First Column Not Storing MSBPN for First Column	Calculate BPNs for Priority Blocks in Second Column	Calculate MSBPN for Second Column  De-assert Match Line Segments From Priority Blocks in Second Column Not Storing MSBPN for Second Column	Calculate BPNs for Priority Blocks in Third Column	Calculate MSBPN for Third Column  De-assert Match Line Segments From Priority Blocks in Third Column Not Storing MSBPN for Third Column

FIG. 46

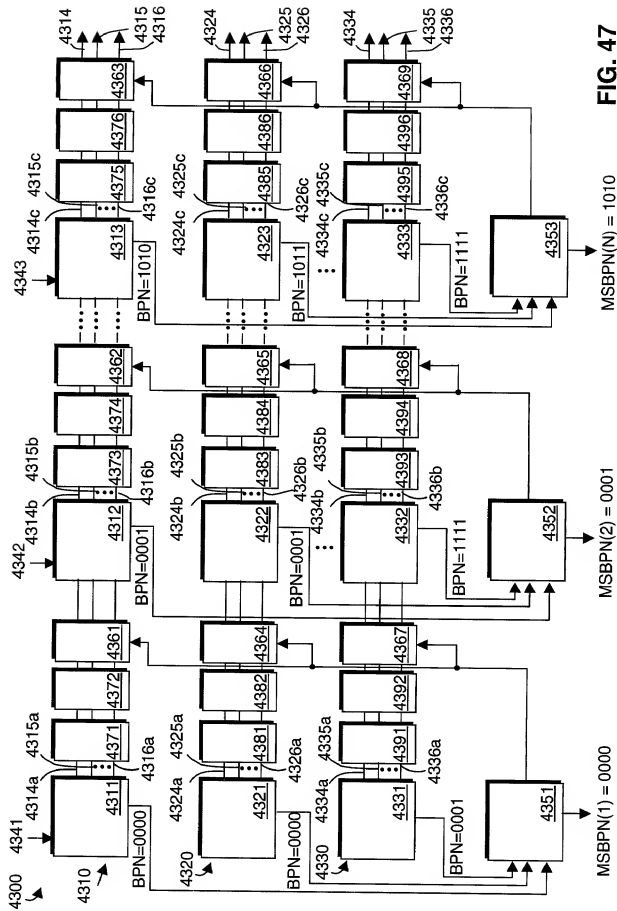


FIG. 47

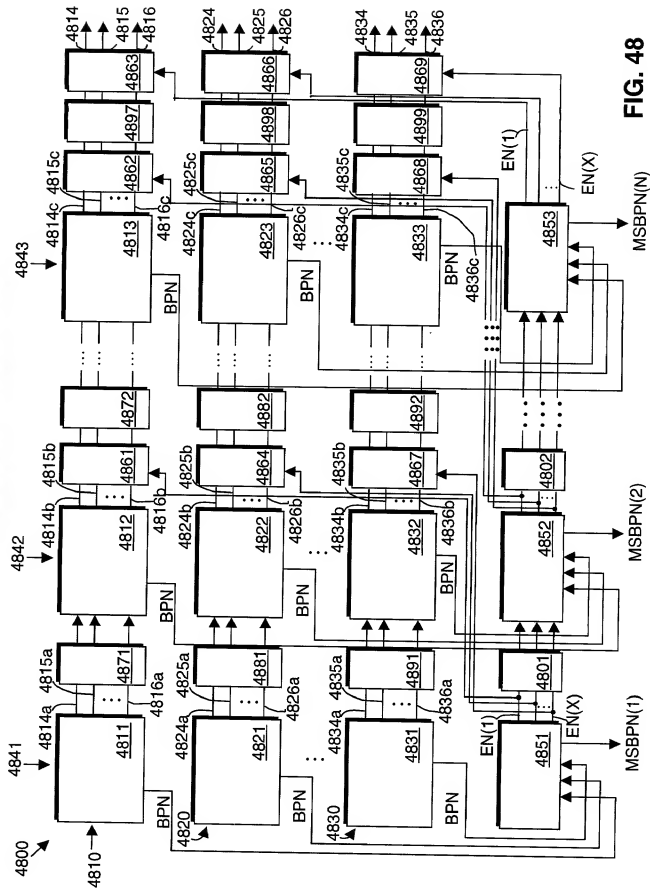


FIG. 48

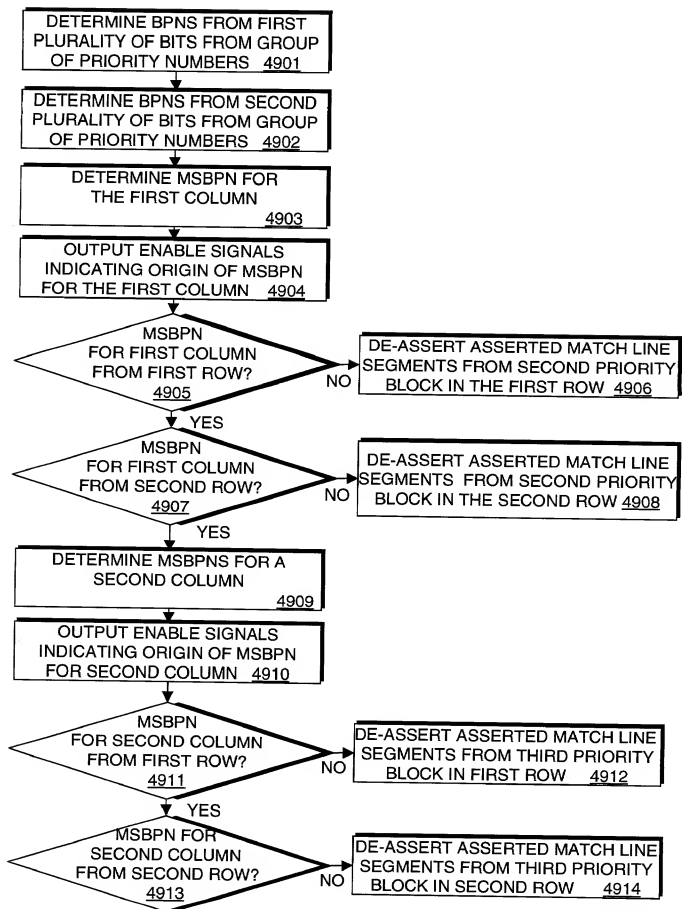


FIG. 49

Cycle X	Cycle X+1	Cycle X+2	Cycle X+3
Calculate BPNs for Priority Blocks in First Column	Calculate BPNs for Priority Blocks in Second Column	Calculate BPNs for Priority Blocks in Third Column	
	Calculate MSBPN for First Column	Calculate MSBPN for Second Column	Calculate MSBPN for Third Column
	De-assert Match Line Segments From Priority Blocks In Second Column From Rows that did not Originate the MSBPN for First Column	De-assert Match Line Segments From Priority Blocks In Third Column From Rows that did not Originate the MSBPN for Second Column	De-assert Match Line Segments From Priority Blocks In Third Column From Rows that did Originate the MSBPN for Third Column

FIG. 50

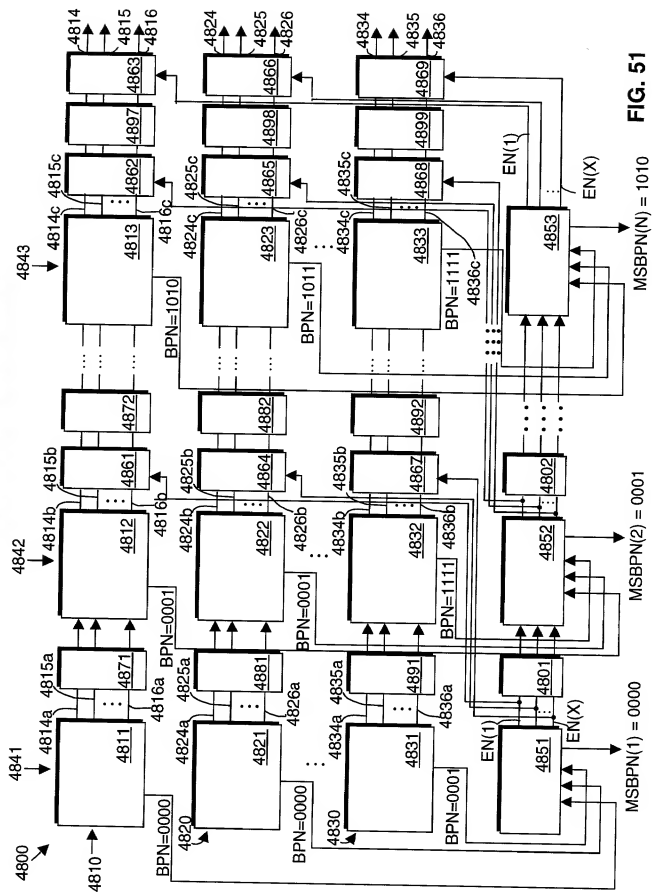


FIG. 51

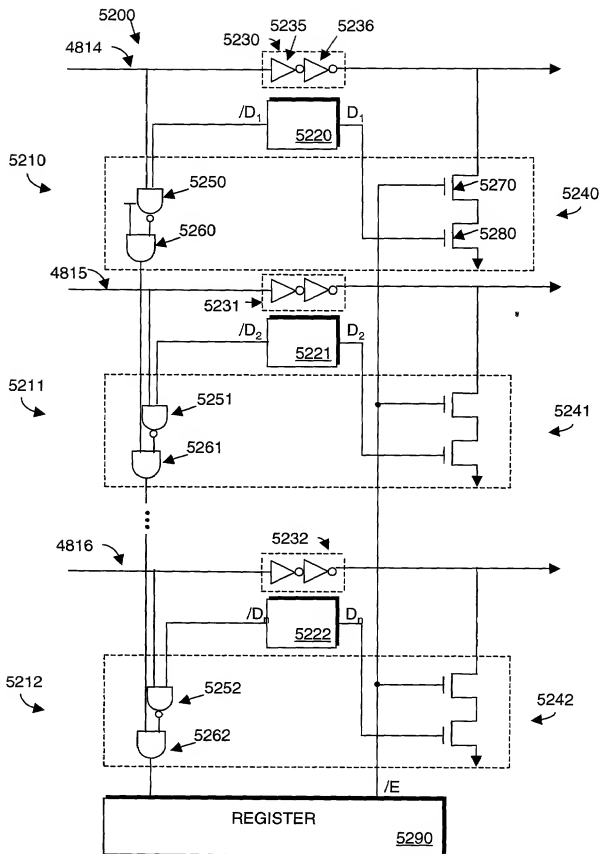


FIG. 52